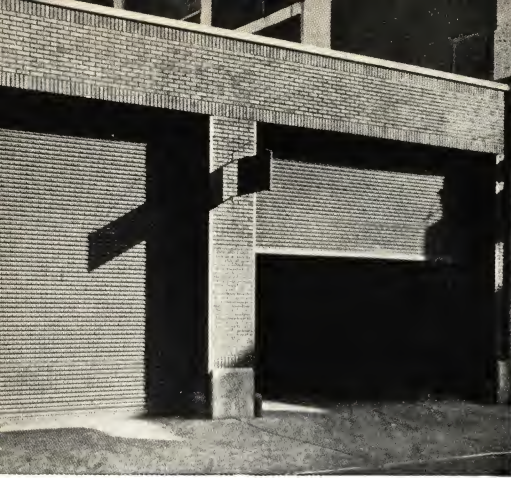




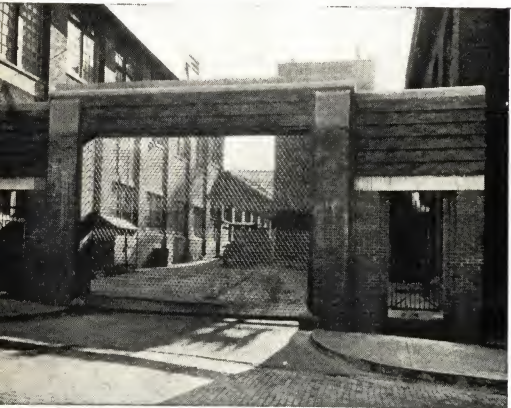
ROLLING STEEL DOORS
ROLLING STEEL GRILLES
ROLLING WOOD DOORS

Wilson

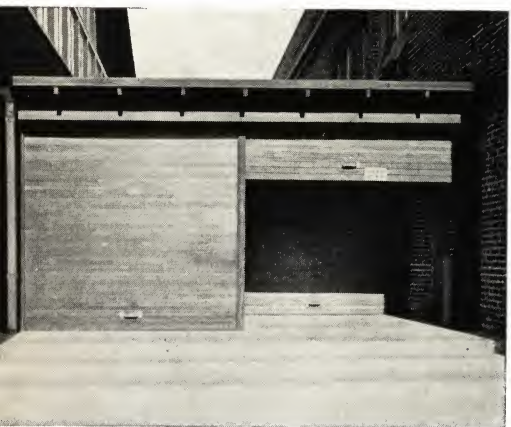
AIRKORE FIRE DOORS
ROLLING STEEL FRONTS
SECTIONFOLD OVERHEAD DOORS



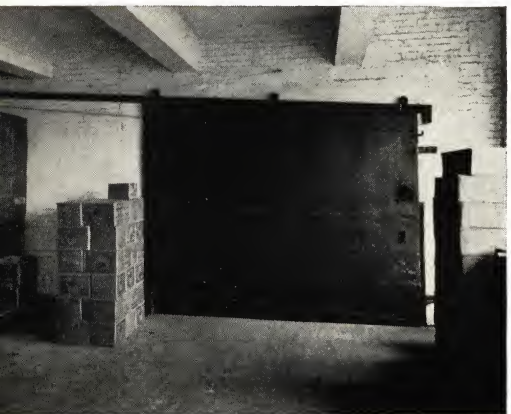
ROLLING STEEL DOORS



ROLLING STEEL GRILLES



ROLLING WOOD DOORS



WILSON DOORS

for INDUSTRIAL AND ARCHITECTURAL USES

Manufacturer of ROLLING STEEL DOORS Since 1876

Our founder, James Godfrey Wilson, in 1876 started to manufacture the first Wilson Rolling Steel and Wood Doors.

Since that time we have developed and manufactured the products as listed below. During this entire period we have accumulated a wealth of information on these products, which we are constantly endeavoring to use advantageously for our clients. Our Engineering Department is ready, at any time, to advise as to the type of installation which will most satisfactorily meet the requirements in question.

DOOR APPLICATIONS

ROLLING STEEL DOORS

For Protection Against Fire, Theft and Weather

Industrial Buildings	Museums
Warehouses	Department Stores
Freight Stations	Public Buildings
Piers and Docks	Hotels
Craneway Openings	Schools
Power Houses	Firewalls
Hangars	Elevator Shafts
Garages	Stairwells

ROLLING STEEL GRILLES

Protect Against Intrusion but Admit Light and Air

Concessions	Corridor Openings
Store Entrances	Vaults
Display Windows	Elevator Shafts
Storage Rooms	Skylights
School Buildings	Industrial Buildings
Nurseries	Commercial Buildings

ROLLING WOOD DOORS

Any Place Where Strong Acid or Oxidizing Fumes Are Present

Round Houses	Refrigerating Plants
Chemical Plants	X-ray Rooms
Ice Cream Factories	Photographic Rooms
Dairies	Hospital
Laboratories	Amphitheatres

AIRKORE FIRE DOORS

Hollow Core Steel Doors, Underwriters Labeled	Corridors or Room Partitions
Either Sliding or Hinged	Openings in Fire Walls
Openings in Vertical Shafts	Openings in Exterior Walls

ROLLING STEEL FRONTS

For Protection Against Intrusion

News Stands	Stationary Cabinets
Coat Rooms	Windows for Light-Proof Protection
Ticket Booths	

SECTIONFOLD OVERHEAD DOORS

Wood Doors Standard

Garages (Private)	Warehouse Doors
Garages (Public)	Shipping Openings

OTHER PRODUCTS

Venetian Awning Blinds	Diffuselite Blinds
Horizontal Rolling Partitions	Sectionfold Partitions
Vertical Rolling Partitions	Disappearing Door Wardrobes
	Rolling Front Wardrobes



ROLLING STEEL FRONTS



SECTIONFOLD OVERHEAD DOORS

Wilson ROLLING STEEL DOORS

For All Types of Services

Wilson offers a complete line of rolling steel doors for all types of service, with a background of over 60 years' experience in the manufacture of rolling doors in steel and wood. The mechanical features of these doors are designed to insure simple and easy operation and long life. Their efficiency has been tested and proved under all types of exposure and use.

Wilson Engineering Service

We are always ready to co-operate in solving any special or unusual problems. This service is rendered without obligation.

The Importance of Proper Installation

No door will be satisfactory unless it is properly installed. Wilson rolling doors are simple in design and not difficult to install. We strongly recommend that all doors be erected by the manufacturer or his representative, who maintains trained crews for this purpose and for servicing doors.

Types of Wilson Rolling Steel Doors

Wilson Rolling Steel Doors are divided into two distinct classifications, Standard Commercial and Underwriter Labelled Automatic Closing Doors.

COMMERCIAL TYPE is applied to rolling steel doors for ordinary services. They are not restricted as to size or area and do not have the automatic closing features.

UNDERWRITER TYPE is used for insurance reduction purposes and where fire hazards exist and fire protection is desired on interior and exterior openings. This type is restricted to a definite size and area, is made for fully labelled requirements, and tested and approved by Underwriters' Laboratories, Inc. Where required, are equipped with automatic device, closing at a temperature of 160 degrees by fusible link.

Doors can be raised without difficulty after closing automatically; the automatic device can be reset and new fusible link inserted without removing the hood or dismantling the door. All automatic mechanism is contained within the hood.

Class "A"—Fire Wall Doors—Area of opening not to exceed 80 sq. ft.; neither width nor height to exceed 12 ft. Two doors are required, and may be hung on face of wall or between jambs, self-coiling or crank operation, and close automatically in case of fire. Wilson Type Nos. 31 to 35, inclusive, interlocking slat No. 2, 20 gauge.

Class "B"—Vertical Shaft Doors—Area of opening not to exceed 80 sq. ft.; neither width nor height to exceed 12 ft. Curtains may be hung on face of wall or between jambs, self-coiling or crank operation, and may be automatic closing in case of fire. Wilson Type Nos. 21 to 26, interlocking slat No. 2, 20 gauge.

Class "C"—Corridor and Room Partition Doors—Same requirements as Class "B."

Class "D"—Exterior Wall Doors—Area of opening not to exceed 100 sq. ft.; neither width nor height to exceed 12 ft. Curtain may be hung on face of wall or between jambs, self-coiling, chain or crank operation, and, where permitted, may be automatic closing in case of fire. Wilson Type Nos. 41 to 51, interlocking slat Little 4, 22 gauge.

Methods of Operation

The means of operating Wilson Standard Commercial Rolling Steel Doors depends generally on the size of the opening enclosed.

There are four general types of operation.

Self-Coiling (S-C) Type—Manually operated, standard for openings to 80 sq. ft.

Chain Geared (C-G) Type—Chain-gear operated, for openings over 80 sq. ft.

Crank Geared (K-G) Type—Crank-gear operated, for openings over 80 sq. ft.

Motor Operated Type—Generally used for large openings or for large doors requiring quick operation by remote control. (See page 6.)

The Wilson Curtain

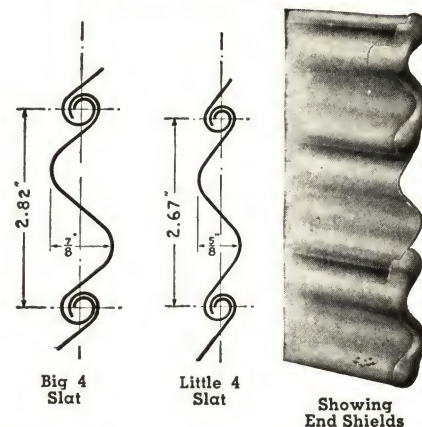
The Wilson curtain is composed of a series of cold rolled interlocking slats, formed from copper-bearing electro-galvanized steel, which metal and protection is conceded to be more effective in retarding corrosion than any other similar product. The electro-galvanized coating does not fracture by bending and will not peel. Absence of all sharp bends further insures maximum galvanic protection. Curtain can also be made of aluminum, bronze or stainless steel.

Proven Strength Against Wind Pressure

An outstanding Wilson feature is the patented safety groove and wind locks which are standard equipment on doors over 14 ft. in width. Doors so equipped cannot possibly be blown from grooves and will withstand any conceivable wind pressure without excessive deflection of the curtain, at the same time minimizing possible damage to curtain from whatever cause.

As an example, a wind velocity of 120 miles exerts a pressure of 43 lbs. per sq. ft. Wilson safety knobs overcome a resistance per sq. ft. of 1000 lbs. for 18-ft. span, 500 lbs. for 24-ft. span, and 300 lbs. for 30-ft. span. Gauge of slats depends entirely on size of opening.

TYPES OF SLATS

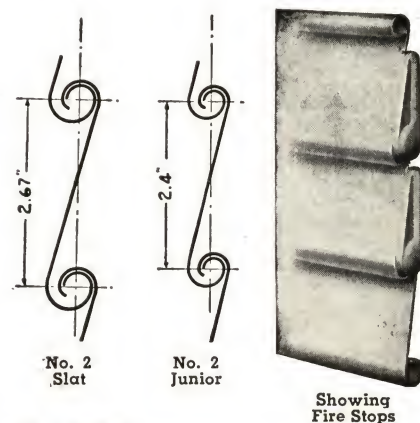


BIG 4 INTER-LOCKING SLAT

For Openings Over 12 Feet Wide—This shape has very deep corrugations, therefore greater strength than the ordinary channel type slat. This protects the interlocking joints from damage when hit by moving vehicles. It has the same appearance on both sides. Rain cannot enter the joints and therefore no water can be held in the joints to rust or freeze. The design permits the use of end-shields which actually do take all wear from that part of the curtain sliding in the grooves, which adds considerable to the life of the door.

LITTLE 4 INTERLOCKING SLAT

For Openings Up to 14 Feet Wide—Also for Underwriters' doors on exterior openings and when coil must be made as small as possible. Similar in design to Big 4 Slat but corrugations are not as deep. Can be fitted with continuous end locks or fire stops.



NO. 2 INTER-LOCKING SLAT

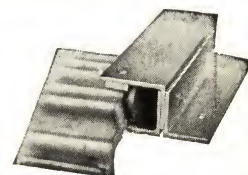
For Underwriters' Labeled Fire Doors—Also for interior doors not subjected to wind pressure or unusually hard service. Equipped with fire stops on ends of slats to prevent smoke and flame from passing through grooves.

NO. 2. JUNIOR SLAT

Similar Use to No. 2 Slat—Use, principally when coil space is limited. Slightly smaller than No. 2 Slat.

At Right:

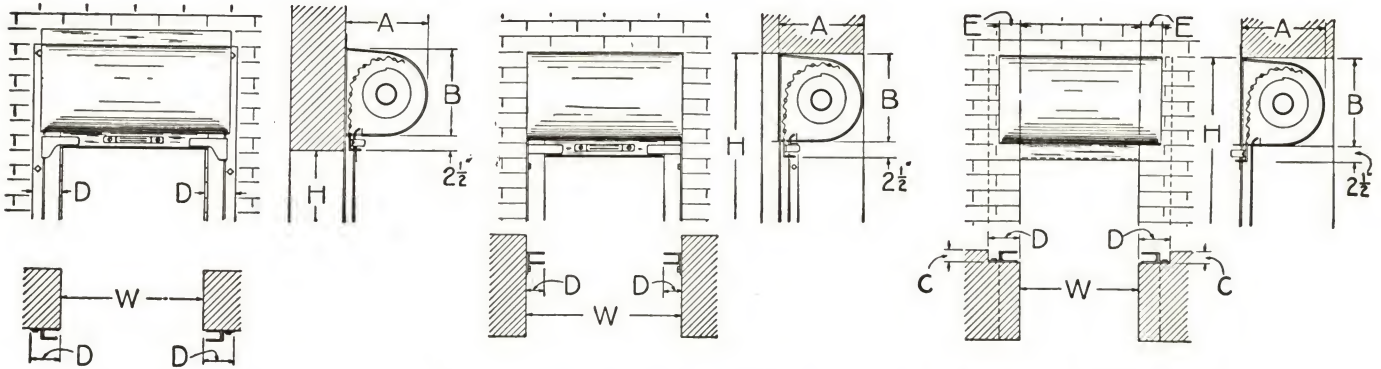
SAFETY GROOVE AND WIND LOCK



WILSON STANDARD DOORS

Types of Operation and Dimensions of Standard Hoods and Grooves

SELF COILING • MANUALLY OPERATED • AREA NOT OVER 80 SQ. FT.



SELF-COILING DOORS—TYPE S. C. 11
Grooves and Coil on Face of Wall

H	W	D	Little No. 4 Slat		No. 2 Jr. Slat	
			A	B	A	B
6' 0"	3' 0"	4 5/8"	14"	14 1/2"	13"	13 1/2"
7' 0"	4' 0"	4 5/8"	14"	14 1/2"	13"	13 1/2"
8' 0"	5' 0"	4 5/8"	15"	15 1/2"	14"	14 1/2"
9' 0"	6' 0"	4 5/8"	15"	15 1/2"	14"	14 1/2"
10' 0"	7' 0"	4 5/8"	15"	15 1/2"	15"	15 1/2"
11' 0"	10' 0"	4 5/8"	16"	16 1/2"	15"	15 1/2"

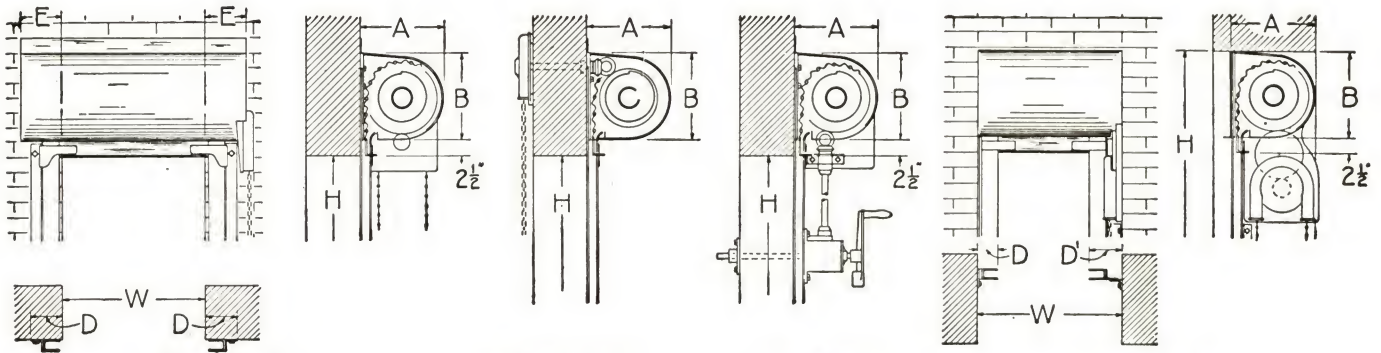
SELF-COILING DOORS—TYPE S. C. 22
Grooves and Coil Within the Opening

H	W	D	Little No. 4 Slat		No. 2 Jr. Slat	
			A	B	A	B
6' 0"	3' 0"	2 3/8"	13"	13 1/2"	12"	12 1/2"
7' 0"	4' 0"	2 3/8"	14"	14 1/2"	13"	13 1/2"
8' 0"	5' 0"	2 3/8"	14"	14 1/2"	13"	13 1/2"
9' 0"	6' 0"	2 3/8"	15"	15 1/2"	13"	13 1/2"
10' 0"	7' 0"	2 3/8"	15"	15 1/2"	14"	14 1/2"
11' 0"	8' 0"	2 3/8"	15"	15 1/2"	15"	15 1/2"
12' 0"	10' 0"	2 3/8"	15"	15 1/2"	15"	15 1/2"

SELF-COILING DOORS—TYPE S. C. 21
Coil Within the Opening—
Grooves Recessed on Face of Wall

H	W	C	D	E	Little No. 4 Slat		No. 2 Jr. Slat	
					A	B	A	B
6' 0"	3' 0"	2"	4 5/8"	5 1/8"	13"	13 1/2"	12"	12 1/2"
7' 0"	4' 0"	2"	4 5/8"	5 1/8"	14"	14 1/2"	13"	13 1/2"
8' 0"	5' 0"	2"	4 5/8"	5 1/8"	14"	14 1/2"	13"	13 1/2"
9' 0"	6' 0"	2"	4 5/8"	5 1/8"	15"	15 1/2"	13"	13 1/2"
10' 0"	7' 0"	2"	4 5/8"	5 1/8"	15"	15 1/2"	14"	14 1/2"
11' 0"	8' 0"	2"	4 5/8"	5 1/8"	15"	15 1/2"	15"	15 1/2"
12' 0"	10' 0"	2"	4 5/8"	5 1/8"	15"	15 1/2"	15"	15 1/2"

CHAIN AND CRANK GEARED DOORS • MANUALLY OPERATED • AREA OVER 80 SQ. FT.



Type C. G. 11

Type C. G. O. 11

Type K. G. 11

Type C. G. 22

TYPE C.G. 11—(Chain Gear Grooves and Coils on Face of Wall)
TYPE C.G.O. 11—(Chain Gear Operation Through Wall)
TYPE K.G. 11—(Crank Geared Doors Through Wall)

TYPE C.G. 22—(Chain Gear Grooves and Coils Within Opening)

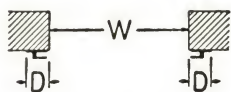
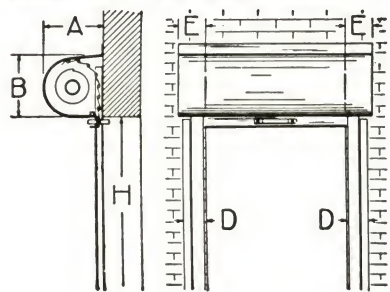
H	W	D	E	Little No. 4 Slat		Big No. 4 Slat		H	W	D	D1	Little No. 4 Slat		Big No. 4 Slat	
				A	B	A	B					A	B	A	B
8' 0"	6' 0"	4 5/8"	5 3/4"	15"	15 1/2"	17"	17 1/2"	8' 0"	6' 0"	2 3/4"	4 7/8"	14"	14 1/2"	16"	16 1/2"
10' 0"	8' 0"	4 5/8"	5 3/4"	15"	15 1/2"	17"	17 1/2"	10' 0"	8' 0"	2 3/4"	4 7/8"	15"	15 1/2"	16"	16 1/2"
12' 0"	10' 0"	4 5/8"	5 3/4"			20"	20 1/2"	12' 0"	10' 0"	2 3/4"	4 7/8"	16"	16 1/2"	17"	17 1/2"
14' 0"	12' 0"	5 1/4"	6 1/8"			20"	20 1/2"	14' 0"	12' 0"	5 1/2"	5 1/2"			20"	20 1/2"
16' 0"	14' 0"	5 1/4"	6 1/8"			22"	22 1/2"	16' 0"	14' 0"	5 1/2"	5 1/2"			20"	20 1/2"
18' 0"	16' 0"	5 1/4"	6 1/8"			23"	23 1/2"	18' 0"	16' 0"	5 1/2"	5 1/2"			22"	22 1/2"
20' 0"	18' 0"	5 1/4"	6 1/8"			23"	23 1/2"	20' 0"	18' 0"	5 1/2"	5 1/2"			23"	23 1/2"
22' 0"	20' 0"	5 1/4"	6 1/8"			24"	24 1/2"	22' 0"	20' 0"	5 1/2"	5 1/2"			23"	23 1/2"
24' 0"	22' 0"	5 1/4"	6 1/8"			28"	28 1/2"	24' 0"	22' 0"	5 1/2"	5 1/2"			24"	24 1/2"
28' 0"	24' 0"	5 1/4"	6 1/8"			28"	28 1/2"								

Note: To provide for Clear Opening Height, add 2 1/2" to Dimension B for Clearance of Bottom Rail.

WILSON UNDERWRITER LABELED DOORS

Types of Operation and Dimensions of Standard Hoods and Grooves

SELF COILING • AREA NOT OVER 80 SQ. FT.



Types 21, 23, 41, 43, 50, Single
Type 31, Double

Table Below, at Left:
TYPES 21, 23, 41, 43 and
50 SINGLE DOORS •

TYPE 31 DOUBLE
DOORS (One on each
side of opening. Grooves
and coil on face of wall.)

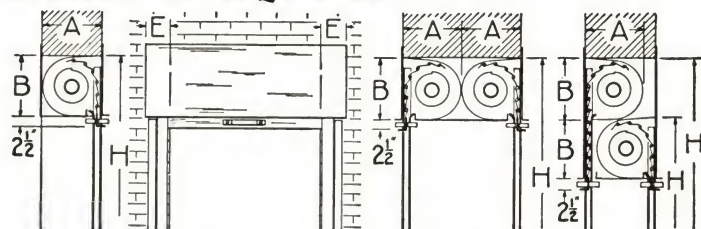
Table Below, at Right:
TYPES 22, 24, 44 and 51
SINGLE DOORS
(Grooves and coil within
the opening) •

TYPE 42 SINGLE
DOOR (Coil within opening,
grooves recessed on
face of wall) •

TYPE 32 DOUBLE
DOORS (Coils superimposed;
grooves within opening or recessed.) •

TYPE 33 DOUBLE
DOORS (Coils within
opening; grooves within
opening or recessed.)

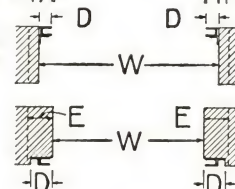
For classes under each
type, see page 3.



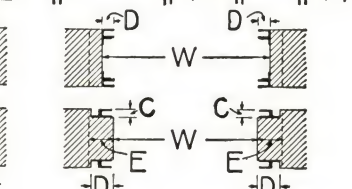
(Upper Plan) Types 22, 24,

44, 51

(Coil and grooves
within
openings.)



(Lower Plan) Type 42
(Coil within opening;
grooves recessed.)



Types 33 and 32 (Coils Within
Opening.)
(Upper Plan) Grooves within opening.
(Lower Plan) Grooves recessed.

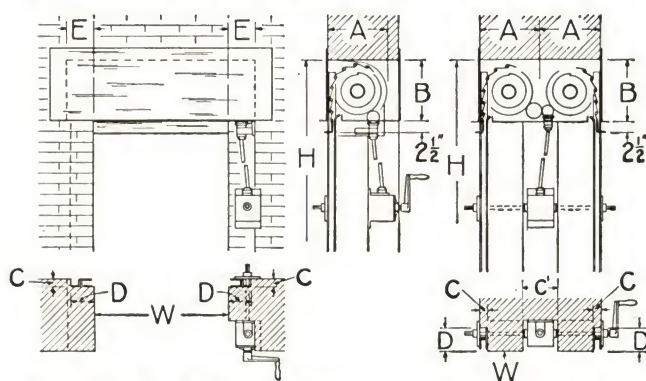
TYPES 21, 23, 41, 43 and 50, SINGLE
TYPE 31, DOUBLE

H	W	D	E	No. 2 slat for interior openings		Little No. 4 slat for exterior openings only	
				A	B	A	B
7' 0"	6' 0"	5 1/4"	6"	16"	16 1/2"	16"	16 1/2"
8' 0"	7' 0"	5 1/4"	6"	16"	16 1/2"	16"	16 1/2"
9' 0"	8' 0"	5 1/4"	6"	18"	18 1/2"	18"	18 1/2"
10' 0"	9' 0"	6 1/4"	7"	19"	19 1/2"	18"	18 1/2"
11' 0"	10' 0"	6 1/4"	7"	19"	19 1/2"	19"	19 1/2"
12' 0"	11' 0"	6 1/4"	7"	20"	20 1/2"	20"	20 1/2"
13' 0"	12' 0"	6 1/4"	7"	20"	20 1/2"	20"	20 1/2"
14' 0"	14' 0"	6 1/4"	7"	20"	20 1/2"	20"	20 1/2"

TYPES 22, 24, 44, 51—(Coil and Grooves Within Openings), SINGLE
TYPE 42—(Coils Within Opening; Grooves Recessed), SINGLE
TYPES 33 and 32—(Coils Within Opening), DOUBLE

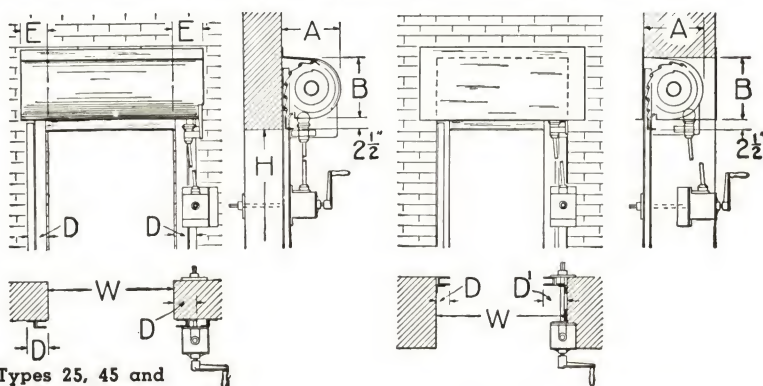
H	W	C	D	E	No. 2 Slat for interior openings		Little No. 4 slat for exterior openings only	
					A	B	A	B
7' 0"	6' 0"	2"	6"	6"	16"	16 1/2"	16"	16 1/2"
8' 0"	7' 0"	2"	6"	6"	16"	16 1/2"	16"	16 1/2"
9' 0"	8' 0"	2"	6"	6"	18"	18 1/2"	18"	18 1/2"
10' 0"	9' 0"	2"	6" & 7"	6" & 7"	19"	19 1/2"	18"	18 1/2"
11' 0"	10' 0"	2"	6" & 7"	6" & 7"	19"	19 1/2"	19"	19 1/2"
12' 0"	11' 0"	2"	7"	7"	20"	20 1/2"	20"	20 1/2"
13' 0"	12' 0"	2"	7"	7"	20"	20 1/2"	20"	20 1/2"
14' 0"	13' 0"	2"	7"	7"	20"	20 1/2"	20"	20 1/2"

CRANK GEARED DOORS



Types 26, 46 and 48 Single Doors
(Coil and grooves recessed in wall.)

Type 35 Double Doors
One on each side of opening;
coils and grooves
recessed in wall.



Types 25, 45 and
47 Single Doors
Type 34 Double Doors
(One on each side of opening; coil and
grooves on face of wall.)

Type 26
(Coil and grooves within
opening.)

TYPES 46 AND 48 SINGLE DOORS

TYPE 35 DOUBLE DOORS

(One on each side of opening; coils and grooves recessed in wall.)

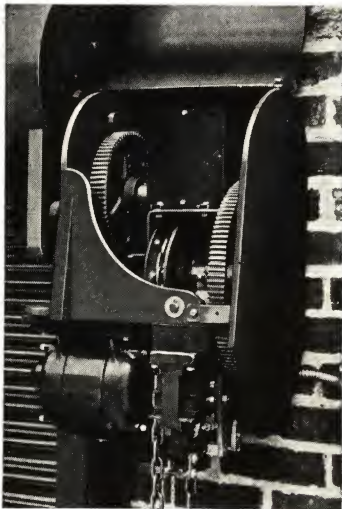
H	W	C	Cl	D	E	No. 2 Slat for interior openings		Little No. 4 Slat for exterior openings only	
						A	B	A	B
7' 0"	6' 0"	2"	11"	6"	6"	16"	16 1/2"	16"	16 1/2"
8' 0"	7' 0"	2"	11"	6"	6"	16"	16 1/2"	16"	16 1/2"
9' 0"	8' 0"	2"	11"	6"	6"	18"	18 1/2"	18"	18 1/2"
10' 0"	9' 0"	2"	11"	7"	6"	19"	19 1/2"	18"	18 1/2"
11' 0"	10' 0"	2"	11"	7"	6"	19"	19 1/2"	19"	19 1/2"
12' 0"	11' 0"	2"	11"	7"	7"	20"	20 1/2"	20"	20 1/2"
13' 0"	12' 0"	2"	11"	7"	7"	20"	20 1/2"	20"	20 1/2"
14' 0"	14' 0"	2"	11"	7"	7"	20"	20 1/2"	20"	20 1/2"

H	W	D	E	No. 2 Slat for interior openings		Little No. 4 Slat for exterior openings only	
				A	B	A	B
Types 25, 45, 47, 49 and 34							
7' 0"	6' 0"	5 1/4"	6"	16"	16 1/2"	16"	16 1/2"
8' 0"	7' 0"	5 1/4"	6"	16"	16 1/2"	16"	16 1/2"
9' 0"	8' 0"	5 1/4"	6"	18"	18 1/2"	18"	18 1/2"
10' 0"	9' 0"	6 1/4", 5 1/2"	7", 6"	19"	19 1/2"	18"	18 1/2"
11' 0"	10' 0"	6 1/4", 5 1/2"	7", 6"	19"	19 1/2"	19"	19 1/2"
12' 0"	11' 0"	6 1/4", 5 1/2"	7"	20"	20 1/2"	20"	20 1/2"
13' 0"	12' 0"	6 1/4", 5 1/2"	7"	20"	20 1/2"	20"	20 1/2"
14' 0"	14' 0"	6 1/4", 5 1/2"	7"	20"	20 1/2"	20"	20 1/2"

Type 26 (Coil and grooves within opening). (Also for Type 26 Recessed)

H	W	D	E	No. 2 Slat for interior openings		Little No. 4 Slat for exterior openings only	
				A	B	A	B
7' 0"	6' 0"	5 1/2"	5 1/2"	15"	15 1/2"	15"	15 1/2"
8' 0"	7' 0"	5 1/2"	5 1/2"	15"	15 1/2"	15"	15 1/2"
9' 0"	8' 0"	5 1/2"	5 1/2"	16"	16 1/2"	16"	16 1/2"
10' 0"	9' 0"	6 1/2"	6 1/2"	17"	17 1/2"	17"	17 1/2"
11' 0"	10' 0"	6 1/2"	6 1/2"	19"	19 1/2"	19"	19 1/2"
12' 0"	11' 0"	6 1/2"	6 1/2"	19"	19 1/2"	19"	19 1/2"
13' 0"	12' 0"	6 1/2"	6 1/2"	19"	19 1/2"	19"	19 1/2"
14' 0"	14' 0"	6 1/2"	6 1/2"	21"	21 1/2"	21"	21 1/2"

TYPES OF WILSON MOTOR UNITS



At Left:

WILSON MOTOR UNIT
For Large or Small
Rolling Doors

At Right:

**WILSON TYPE B
MOTOR UNIT**
For Overhead Doors



WILSON TYPE B MOTOR OPERATED UNIT FOR OVERHEAD DOORS

Any Sectionfold door can be fitted with electrical operator, and if the door is in continual use, electrical operation is advisable. Wilson motor units are extremely simple and compact. They are composed of substantial switch, motor, reduction gears, magnetic reversing panel, solenoid brake, and control station as made by the foremost electrical manufacturers. There are three types: Type B with momentary control station; Type C De Luxe with momentary control station; and Type C standard, with constant control station. The B unit is also equipped with emergency hand chain operation in case of current failure. Current characteristics often complicate electrical installations and we would recommend consultation with our nearest representatives regarding motor installations.

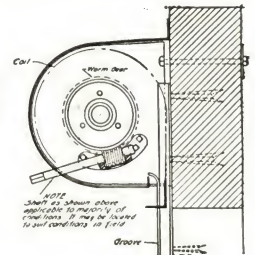
WILSON MOTOR UNIT FOR LARGE OR SMALL ROLLING DOORS

A compact, dependable electric power unit for operating either new or old doors. Motor is controlled by push button located at any point desired. Equipped with limit switch, Thermo Overload Relay and solenoid brake. Also has manually operated emergency hand chain provided for use during interruption of power service. The reduction gears are entirely enclosed in a metal hood.

WILSON WORM GEAR SPRING ADJUSTING DEVICE

The adjustment of the spring tension in Wilson Rolling Doors is readily accomplished by a worm gear spring adjusting device located at one end of the hood. It can be operated with a crank without removing or interfering with the door mechanism. This device not only assures easy and accurate adjust-

ment in counterbalancing the curtain but holds it in positive adjustment at the tension desired without the use of pins or locks. (The illustration at right shows how it is easily accessible and self-sustaining.)



Wilson ROLLING STEEL FRONTS

For Locations Where Protection
Is Desired, But Not Air or Light

NEWS STANDS STATIONARY CABINETS
COAT ROOMS TICKET BOOTHS
FOR LIGHTPROOF PROTECTION

For the above uses we offer our Midget Slat Rolling Steel Curtain as illustrated at the right.

The surface of one side is flat, which makes them suitable for decorative purposes where required. Slats may be made of steel, aluminum, bronze or stainless steel, if desired.

Manual operation is most always satisfactory for small openings, but crank operation can be had when curtain is over a wide counter or otherwise inaccessible.

Send for drawing A-1025 showing details of construction, coil diameters, etc.



Above:

**A PARCEL ROOM
AND NEWS STAND
DURING THE DAY.**

At Right:

**SAME OPENINGS AT
NIGHT.**

THE J. G. WILSON CORPORATION

Wilson AIRKORE SLIDING OR SWINGING FIRE DOORS

STEEL FIREPROOF AIR CHAMBER DOORS — UNDERWRITERS' LABELED

The most effective retardant. This door has been tested by the Underwriters' Laboratories, Inc. in Chicago. It was subjected to heat which was gradually raised to 1750°. After undergoing this terrific heat test for one hour, the door was immediately subjected to a cold water hose stream test. After these tests, far more severe than would have been occasioned by an actual fire, the door showed little deterioration, and to all appearances was "as good as new."

In addition, the Wilson "Airkore" Fireproof Air Chamber Door is practical and durable, rugged in construction and capable of withstanding hard usage. Covered with galvanized sheet steel, it is not affected by corrosion. It is simple and easy to operate, and, with its plain, not corrugated, cover sheets, presents a very pleasing appearance.

All hardware used on Airkore doors is of special design and of very durable construction made by Wilson for exclusive use on Airkore doors.

Its use is recommended to all who are more interested in preventing the spread of fire and maximum protection against such possibilities rather than lowest first cost just to get by requirements.

Airkore Doors are made in the following types, all fully approved and labeled:

- Single Swing
- Double Swing
- Single Slide—level track
- Double Slide—level track—*Exclusive Wilson feature*
- Single Slide—inclined track
- Double Slide—inclined track—*Exclusive Wilson feature.*

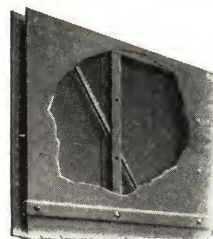
UNDERWRITERS' LIMITATIONS

Single swinging type for interior openings not to exceed 6 ft. in width and 12 ft. in height; for exterior openings, 4 ft. in width and 12 ft. in height.

Double swinging type for interior openings not to exceed 10 ft. in width and 12 ft. in height; for exterior openings, 6 ft. in width and 12 ft. in height.

Sliding type not to exceed 120 sq. ft. in area, neither width nor height over 12 ft.

Details of Construction

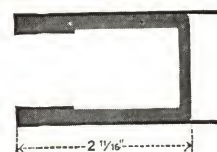


The main frame of the Wilson Airkore Fireproof Door is composed of $2\frac{1}{16}$ " x $1\frac{1}{8}$ " channel, $\frac{1}{8}$ " thick, and is acetylene welded at the corners, forming a continuous channel frame. This frame is covered both sides with 24 gauge, galvanized sheet steel, electro spot-welded to the channel frame every six inches. Web of door is reinforced by vertical channels spaced 12" apart. Swinging doors are provided with diagonal braces to prevent sagging.

The top and bottom members of the channel frame are ventilated by means of $\frac{3}{8}$ " holes through the web of the channel. This provides for a circulation of air through the chambers formed in the door.

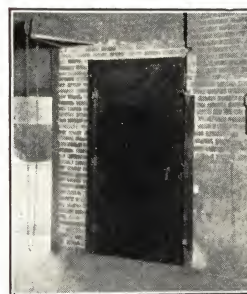


SECTION THROUGH CENTER OF DOOR
Showing lap joint, reinforcing channel and bolt.

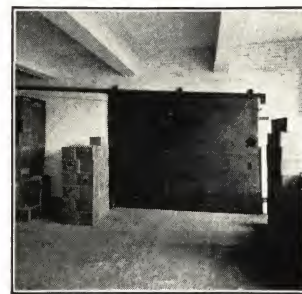


SECTION THROUGH OUTER FRAME OF DOOR

Showing cover sheets, spot-welded to channel, inside and outside.



SWINGING TYPE



SLIDING TYPE INCLINED TRACK



ROLLING WOOD DOORS Not Affected by Corrosive Fumes

Especially made to withstand corrosive acid or oxidizing fumes, so destructive to iron and steel. Recommended for roundhouses, powerhouses, chemical plants, refrigerating plants, ice cream plants, dry kilns, etc.

Heavy Slat Doors—Made of wood slats 2 in. wide and $1\frac{1}{16}$ " thick, threaded on steel bands running from top to bottom about 18 in. apart. Each band is riveted to top slat and attached at bottom to a strong steel spiral spring anchor. This construction allows for shrinking and swelling of door due to atmospheric changes. It requires less than one minute to raise or lower the door.

The doors are treated with carbolineum, reducing to a minimum any expansion or contraction, and acting as a preservative. Doors may be obtained up to 15'8" wide and 22'0" high.

For unusually severe conditions phosphor bronze bands and anchor springs are recommended. Bronze gearing can also be furnished if desired for chain or crank operation.

Light Slat Doors—Similar to heavy slat type except slats are $\frac{13}{16}$ in. thick. Limited to use on openings not exceeding 14'0" in width and 18'0" in height.



WILSON ROLLING WOOD DOORS ON
AN ICE CREAM PLANT

1841 BROADWAY, NEW YORK CITY

Wilson

ROLLING STEEL GRILLES

Allow Passage of Light and Air —

Yet Protect Against Intrusion

WIDE APPLICATION OF USES FOR:

Concessions
Gateways
Transformer Rooms
Store Entrances
Display Windows

Corridor Openings
Vaults
Storage Rooms of Various
Kinds
Produce Markets

Elevator Shafts
School Building Corridor Seg-
regation.
Nurseries

Industrial Buildings
Commercial Buildings
Monumental Buildings
Residential Buildings

The Wilson Rolling Steel Grille affords real protection for openings where it is desirable to admit light and air yet have the protection necessary against petty theft or intrusion. It offers not only protection but a decorative screen and a practical solution of the problem.

It is made to roll overhead into a hood and is completely out of the way when rolled up.

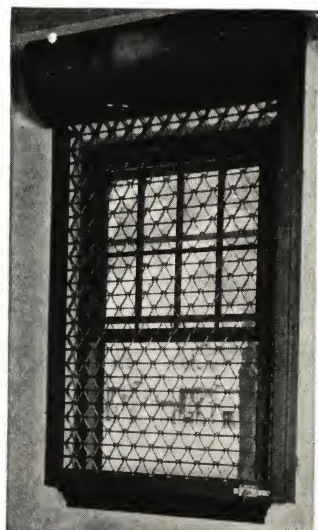
Construction and Installation

The grille embodies the same principles of construction used in Wilson Rolling Steel and Wood doors for over 60 years. It is constructed of $\frac{3}{8}$ in. round rods, separated by $\frac{1}{8}$ in. x $\frac{3}{4}$ in. steel triangular shaped links in such a way as to form a rugged, substantial curtain, yet light in appearance and operation (see details below). The grille openings are too small for the ordinary hand to pass through.

It coils on a pipe shaft enclosing a helical counterbalancing spring and travels in steel guide channels in which ends of curtain are secured to prevent the curtain's being dislodged therefrom. Coil is surrounded by a suitable sheet metal hood.

May be operated by hand, chain, crank or motor. It may be placed on the face of the wall to coil above the lintel, or between jambs and below the lintel, or on the outside face of wall, with operation from either side.

Our Engineering Department is at your service for the solution of unusual problems of installation or the preparation of architectural or engineering details.

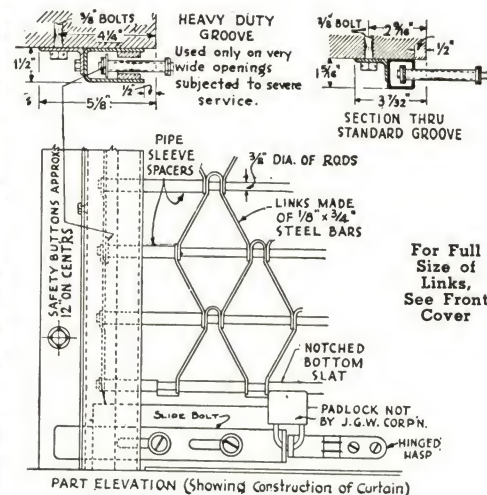


WILSON ROLLING GRILLE ON
INSIDE OF WINDOW IN A WAR
MEMORIAL

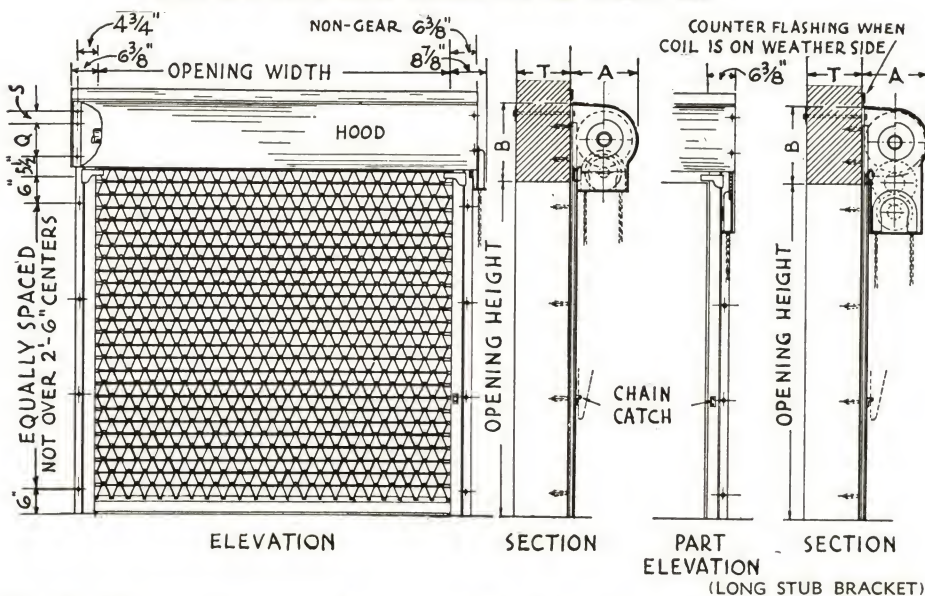
Provides adequate protection for
valuable trophies.



Rolling Steel Grille, Sears, Roebuck and Co., Houston, Tex.



For Full
Size of
Links,
See Front
Cover



Schedule of Coil Sizes

Maximum Opn. Ht.	A	B	Q	S
6' 0"	14"	17"	6"	3"
7' 8"	15"	18"	7"	3"
9' 3"	16"	19"	8"	3"
11' 4"	17"	20"	8"	4"
12' 1"	18"	21"	9"	4"
14' 2"	19"	22"	10"	4"

NOTE—

Grilles for openings up to and including 8'x8' are made non-gear to be operated manually by handles on bottom bar.

LONG STUB BRACKET—

Used for openings of more than 100 sq. ft., or where sideroom is limited to 6 3/8".

SIZE OF BRACKET BOLTS—

1/2" dia. when dimension "A" is 19" or less.
3/8" dia. when dimension "A" is 20" or more.

Wilson

SECTIONFOLD OVERHEAD DOORS

SECTIONFOLD
DOORS ARE EASY
TO OPERATE

For Public or Private Garages
Service Stations • Factories • Warehouses
Other Commercial Buildings

MADE IN STOCK OR
SPECIAL SIZES

MANUAL, CHAIN OR
POWER OPERATED

SUPERIOR FEATURES OF CONSTRUCTION

Simplicity of Operation—The doors can be so perfectly counterbalanced, whether chain or hand operated that a child can operate them with ease. It is the best counterbalanced door because of the means employed—the torsional spring.

Springs Built Especially for Each Door—Each helical oil tempered steel spring is made in our own factory and is designed for a specific door after its weight is known. This assures perfect balance and any adjustment is readily made through a single adjusting wheel. The counterbalancing spring is totally enclosed in a steel shaft and all bearings are ball bearings.

Continuous Vertical Track Members—Used instead of angle clips, insuring greater strength and rigidity—a feature pioneered by Wilson.

Tracks—Of hot rolled 13 gauge steel, vertical tracks attached to continuous back angles. Complete track assembly painted one shop coat of good quality aluminum primer.

Hardware—Of pressed steel, galvanized to prevent rusting. All rollers ball bearing.

Weather Seal—Rolled steel angles mounted on bucks converging toward bottom of opening. Door edges rabbetted to receive the angle in a wedging action, insuring tight closure when door is down. No binding or sticking.

Door Sections—Stiles and rails made of B & Better vertical grain spruce kiln dried, usually $1\frac{3}{4}$ " thick, through-tenoned and steel doweled to prevent water pockets, increase strength and thus add greater life to door by arresting decay.

Panels—Three-ply $\frac{3}{8}$ " thick Douglas fir, built-up with waterproof glue, all edges thoroughly sealed with white lead and oil.

Reinforcing Strips—Of 16 gauge galvanized steel on all doors over 12 ft. in width, so fastened to each section as to give maximum protection against pressure equally from both sides and to prevent abnormal sagging of the sections when raised.

Wicket Doors—These are not recommended in doors exceeding 14 ft. in width. Although we can furnish them, there is always the possibility of abnormal sagging in such installations in spite of the use of reinforcing strips. If it is possible to leave the building by other openings, it is suggested that this be used rather than a wicket door in the overhead door.

Hinged and Sliding Pilasters—For openings made up of two or more doors we can furnish hinged or sliding pilasters so as to give use of a clear opening when the doors are raised. The hinged type pilasters are raised to the ceiling by lifting cables, the sliding type moved to the side of the opening on an overhead track.

Vertical Lift Type Doors—For conditions where doors are to clear high objects, such as cars on jacks within the building, we can furnish special type track to accomplish this.

Center Tracks—For doors 21 ft. wide and up, we furnish center tracks or supports on which the doors rest when raised in the horizontal position. This eliminates any danger of sagging.

TYPES OF OPERATION

Manual

Lifted by Tru-Lay Cables—Recommended on all doors up to 12 ft. in height where the area is not over 144 sq. ft. and the thickness of the door not over $1\frac{3}{4}$ ".

Chain Hoist—Recommended on all doors over 144 sq. ft. in area or when heavy glass is used and thickness is in excess of $1\frac{3}{4}$ "; lifted by electric welded steel chain, all gears made of gray cast iron from cut steel patterns, the gearing mounted on the door brackets.

Motor Operation

Generally used for large openings or for large doors requiring quick operation by remote control. (See page 6.)

Note: Where motor operation is required, the head room needed is 19".



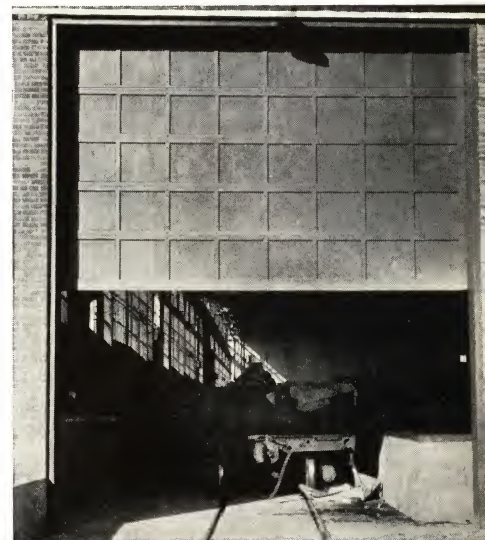
WILSON SECTIONFOLD DOORS
ON FACTORY GARAGE



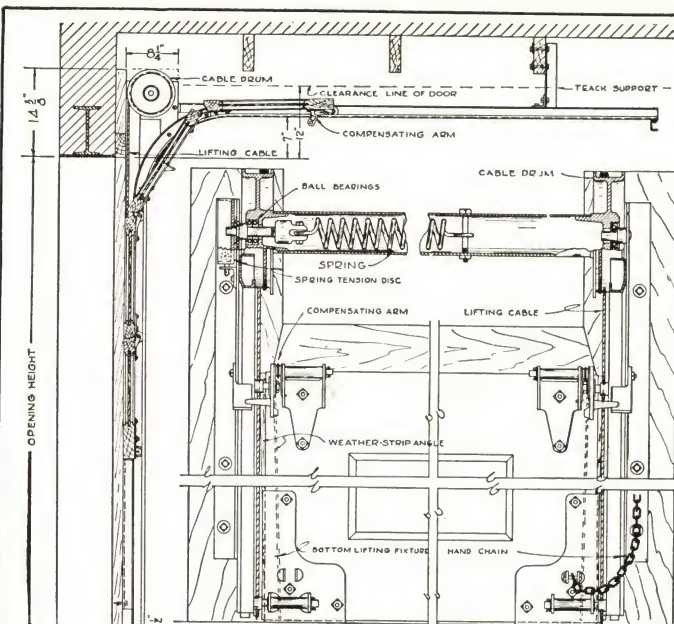
WILSON SECTIONFOLD DOORS
ON RESIDENTIAL GARAGE



WILSON BATTEN TYPE SECTION
FOLD DOORS . . .
Can be made to blend with Special
Architectural Motifs.



WILSON SECTIONFOLD DOOR
ON STEEL WAREHOUSE
Shown in half-open position.

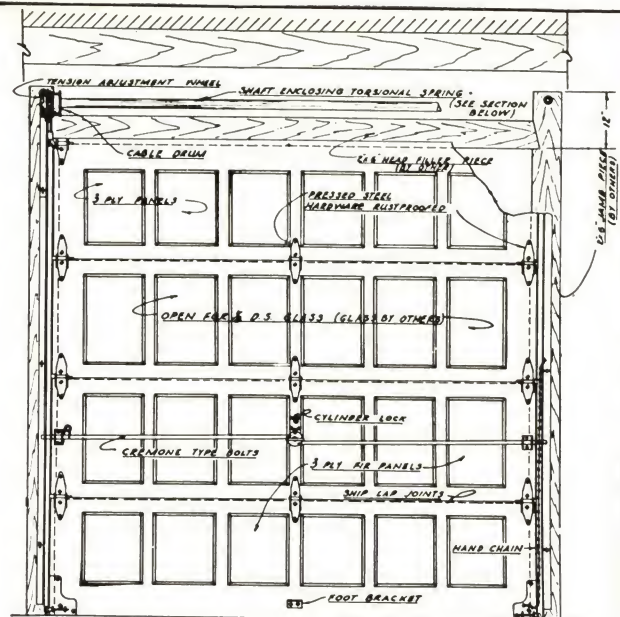


VERTICAL SECTION

3/4 DETAIL ELEVATION OF DOOR

SCHEDULE OF DOOR PANELING			
DOORS FOR OPENINGS UP TO 9'-11" WIDE TO BE MADE 4 PANELS WIDE.			
10'-0" TO 11'-1"	5		
12'-0" TO 13'-1"	6		
14'-0" TO 15'-1"	7		
16'-0" TO 17'-1"	8		
DOORS FOR OPENINGS UP TO 9'-11" HIGH TO BE MADE 4 SECTIONS HIGH.			
10'-0" TO 11'-1"	5		
12'-0" TO 13'-1"	6		
14'-0" TO 15'-1"	7		
16'-0" TO 17'-1"	8		

* INSIDE ELEVATION OF OPENING SHOWING WOOD BUCKS FOR DOOR OF SIZES NOTED



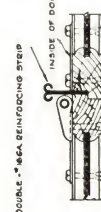
3/8" SCALE TYPICAL ELEVATION SHOWING HINGES AND 6 PANEL DIVISIONS FOR STANDARD STOCK MODEL
8'-0" x 8'-0" - 8'-0" x 7'-6" - 8'-0" x 7'-0"

DETAILS OF NON-GEARED SECTIONFOLD DOORS

Built to Order



SINGLE REINFORCING STRIPS FOR BOTTOM RAIL OF EACH SECTION OF DOOR OVER 16'-0" WIDE

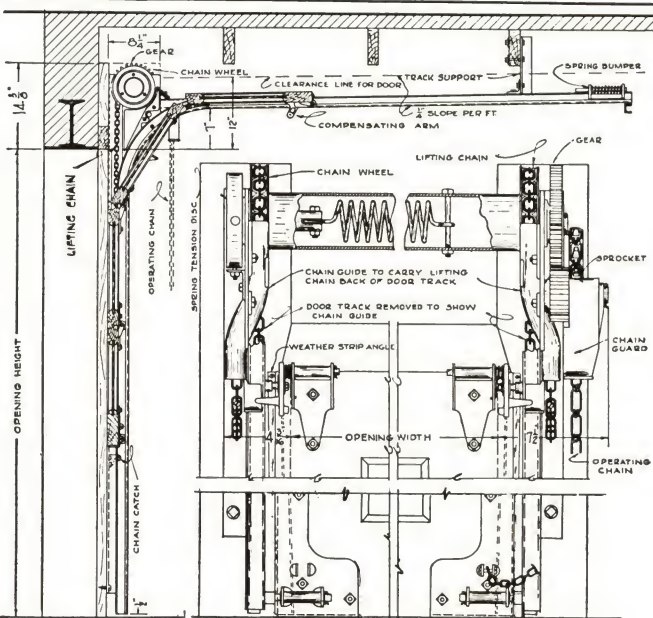


DOUBLE

ATTACHMENT OF RUBBER WEATHER STRIP TO BOTTOM OF DOOR. THIS IS NOT STANDARD - ONLY FURNISHED AT ADDITIONAL CHARGE WHEN DEFINITELY SPECIFIED.



FOR DETAILS OF HARDWARE SEE FOLLOWING PAGE

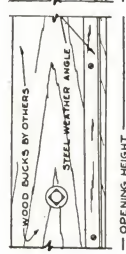
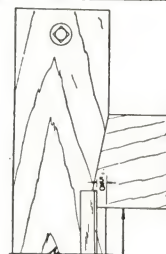


VERTICAL SECTION

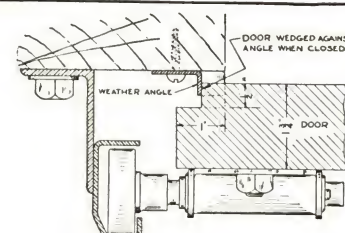
3/4 DETAIL SHOWING CHAIN MECHANISM

DETAILS OF CHAIN LIFT SECTIONFOLD DOORS

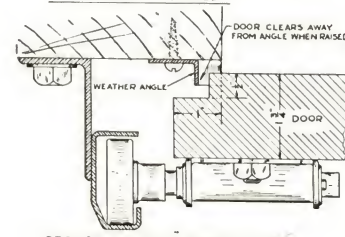
Built to Order



INTERIOR ELEVATION OF L.H. JAMB SHOWING LOCATION OF WEATHER ANGLE



SECTION THRU JAMB SHOWING DOOR COMPLETELY CLOSED



SECTION THRU JAMB SHOWING DOOR PARTIALLY OPEN

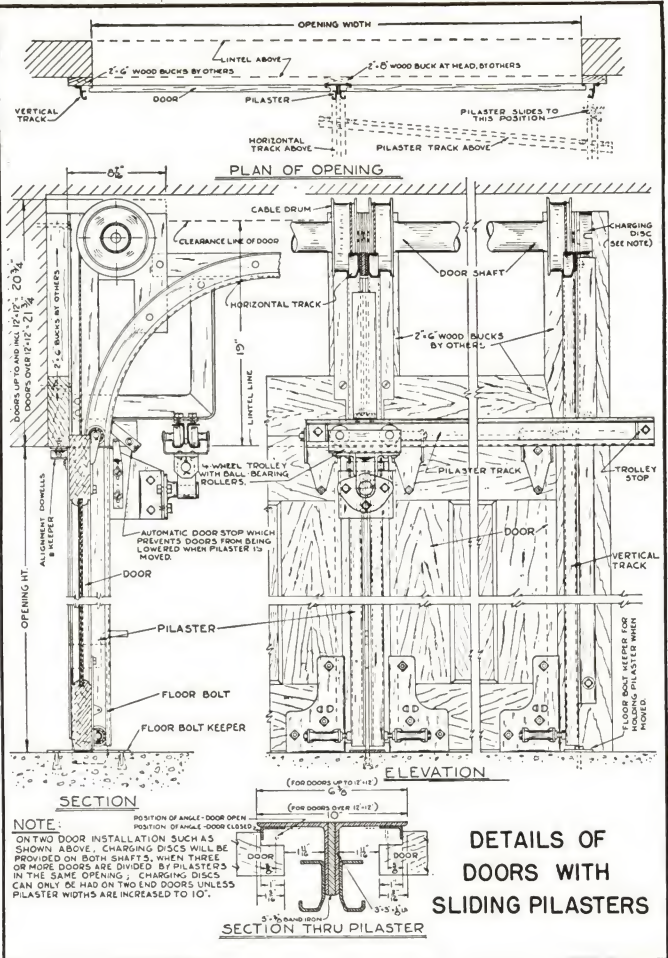
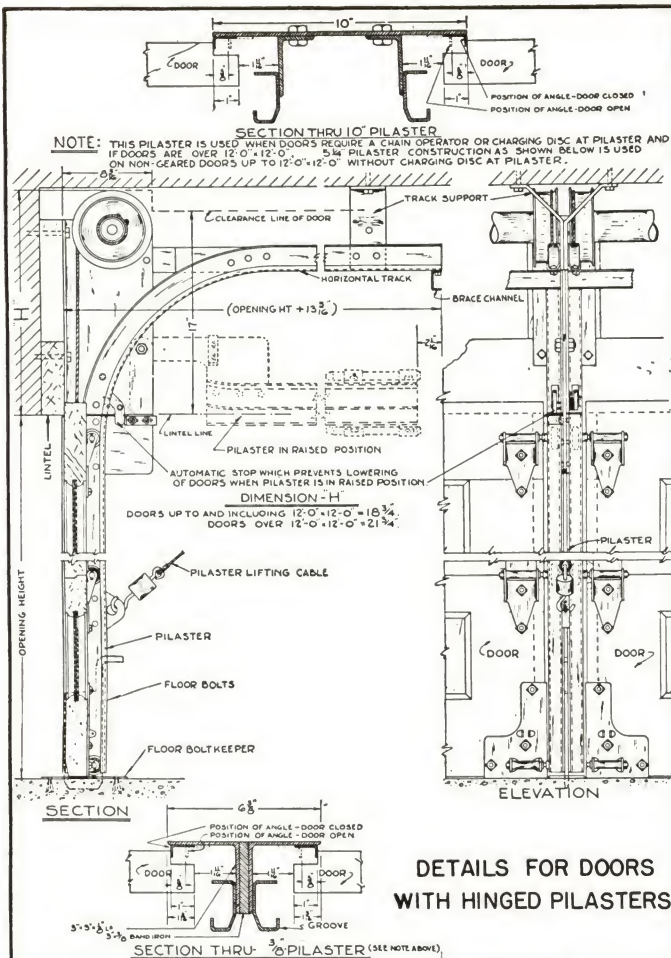
DESCRIPTION

THE PRINCIPLE OF THIS DEVICE IS THE CONTACT BETWEEN SLOPING ROUT AT SIDES OF DOOR AND STEEL ANGLES MOUNTED ON JAMBS WITH CORRESPONDING SLOPE.

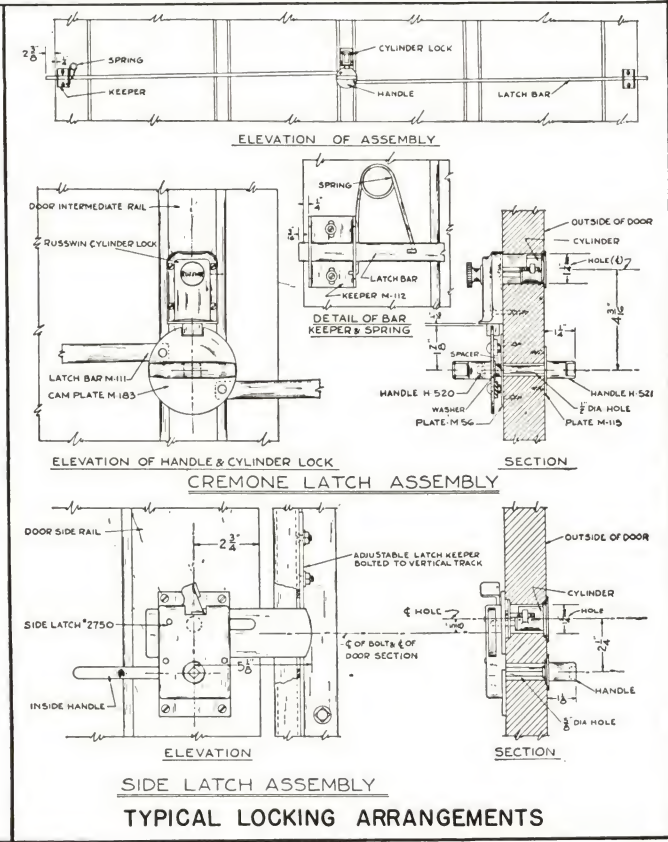
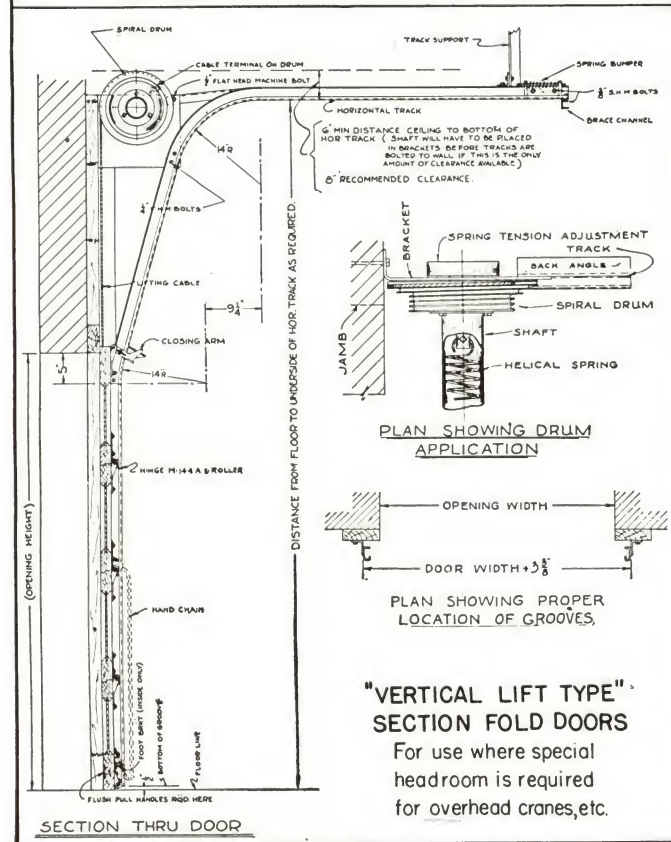
WHEN DOOR IS COMPLETELY CLOSED IT IS MADE WEATHER-PROOF BY THE TIGHT CONTACT BETWEEN DOOR & ANGLE.

WHEN DOOR IS RAISED THE ROUTING AT SIDE IMMEDIATELY CLEARS AWAY FROM ANGLE THUS MAKING DOOR ENTIRELY FREE IN ITS UPWARD TRAVEL.

DETAILS OF WEATHER SEAL. ANGLES ON BUCKS CONVERGING TOWARD BOTTOM OF OPENING. DOOR EDGES RABBETED TO RECEIVE ANGLE IN WEDGING ACTION.

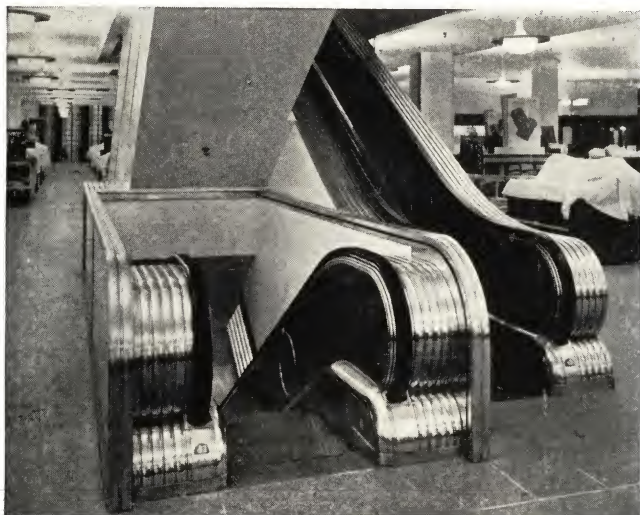


SPECIAL MOVABLE PILASTERS ALLOW OPENINGS OF ANY DESIRED WIDTH



Wilson

ESCALATOR WELL ENCLOSURES



ESCALATOR WELL ENCLOSURE CONCEALED



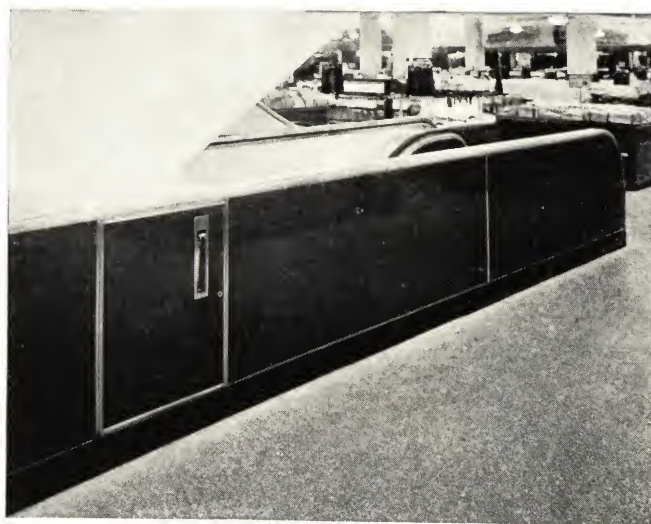
ESCALATOR WELL ENCLOSURE DRAWN OUT, CLOSING ESCALATOR WELL

Modern Escalator design and construction dictate the need of an effective cut-off to prevent the spread of fire between floors.

It is only logical that the rolling type fire shutter be adapted to this purpose. Just as the Wilson commercial and labelled fire Shutters coil in a confined space overhead without encroaching in any way on valuable floor or wall space, are easy to open and close and require a minimum of upkeep and maintenance, so do Wilson Escalator Well Enclosures commend themselves.

Simplicity in design, construction and operation is a prerequisite for any device required to be operated in an emergency. In the design of the Wilson Escalator Well Enclosure, cables, chains and springs have all been eliminated. Opening and closing are both effected thru a single fixed crank. Revolving the crank clockwise closes the opening and revolving it counter-clockwise opens it, without shifting gears, pressing buttons, relocating crank or making any other preliminary maneuvers whatever. Crank folds into recess and does not project beyond well wall. It is always in place and ready for immediate use.

Simplicity is carried a step further. The entire Wilson unit with the exception of the guides which are built into the well wall, can be removed and replaced at will through the access door provided. The entire unit is self-contained and self-supporting.



OPERATING CRANK RECESSED ON SIDE OF ESCALATOR WELL
Photo Also Shows Access Door of Wilson Unit

All shaft bearings are ball bearings and the entire movement of the curtain is carried on hard bronze rollers revolving on machined steel pins.

Wilson Escalator Well Enclosures can be had with electrical operation and with self-closing device when desired.

The Wilson Escalator Well Enclosures have been installed in the new Sears-Roebuck Building at Baltimore, Md., and in the B. Altman store in New York City.

Our Engineering Dept. is placed at your disposal to assist in its application in connection with old and new work and in collaboration with the escalator manufacturers.

THE J. G. WILSON CORPORATION

Wilson PARTITIONS

For those who are interested in modernizing their present buildings and those planning new buildings with limited funds available, Wilson Partitions are a real economy. They are actually "movable walls" as they provide larger or smaller rooms as occasion demands, and eliminate the necessity of additions or alterations to present buildings. They may be designed to harmonize with any interior, old or new.



Our Engineering and Erecting Departments are at the disposal of architects, contractors or owners for the solution of any complicated installations.

Wilson Partitions are manufactured in their entirety within the confines of one plant. Wilson, and Wilson alone, is responsible for the quality of every part entering into the making of Wilson Partitions, be that part but a door handle or a guide track.

SECTIONFOLD — Floor Supported

Sectionfold Partitions should not be confused with so-called "accordion" or "assembled" partitions. The doors are operated in pairs and not in large unwieldy units. The entire weight of the partition rests on the floor track and Sectionfolds do not require special overhead trusses for supporting members. The head guide, or track, is employed only to keep the partition in alignment and to provide a means of securing the unique locking features characteristic of Wilson Sectionfold.

Because of these features we feel justified in our claim that there is no comparison between our product and doors hung on ordinary hardware made to imitate the Wilson.



"Sectionfold" Partitions Dividing Large Gymnasium Into Three Units and Shutting Off Stage

MULTIFOLD — Overhead Hung

This partition has been developed to meet the needs of churches and small auditoriums where an inexpensive, sound-retarding partition of canvas-covered doors will suffice. The Multifold Partition is a relatively inexpensive partition of light construction—the entire weight of the doors being carried overhead on a roller-bearing, four-

wheel trolley. It may be hand, crank, or electrically operated.

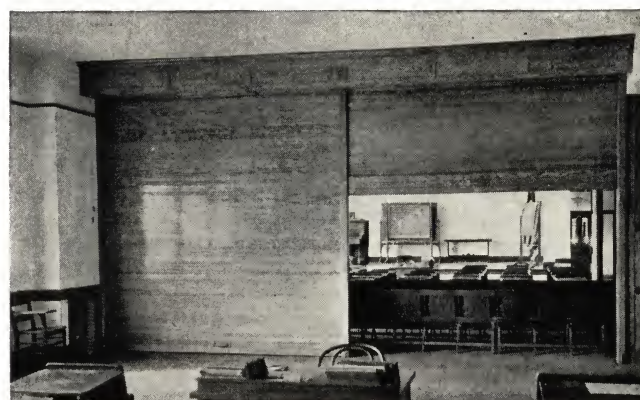
This partition can be furnished with a small, inconspicuous floor track—used only as a guide to keep the doors in alignment when traveling across the opening, or with floor bolts in alternate doors.

ROLLING PARTITIONS — Horizontal and Vertical

Where subdivision of rooms must be most economically accomplished, Wilson Rolling Partitions will be found superior to every other means. Simplicity of construction and lack of mechanical contrivances assure ease of operation for many years, with no maintenance cost. Little or no provision need be made for their installation. They may be made to roll up or sideways.

One side of horizontal type may be finished a flat, smooth surface and coated with black silicate, providing additional blackboard space. This is applied to the side opposite the coil only.

Openings of any width may be closed by use of movable posts. Made in all woods and finishes.



Horizontal Rolling Partitions Used in a Grade School


Catalogue, Giving Further Information, Details and Specifications, Furnished on Request

1841 BROADWAY, NEW YORK CITY



Wilson

SECTIONFOLD OVERHEAD DOORS



Above — Wilson Sectionfold Overhead door in warehouse, raised. Note reinforcing truss and stiffening members between sections to prevent sagging.

At right — Same door closed. Weather tight angles give snug fit, keeping out the elements, saving fuel.

All panels made with waterproof glue.

THE J. G. WILSON CORPORATION

General Offices

1841 BROADWAY, NEW YORK CITY

FACTORY—NORFOLK, VA.

Sales representatives in all principal cities